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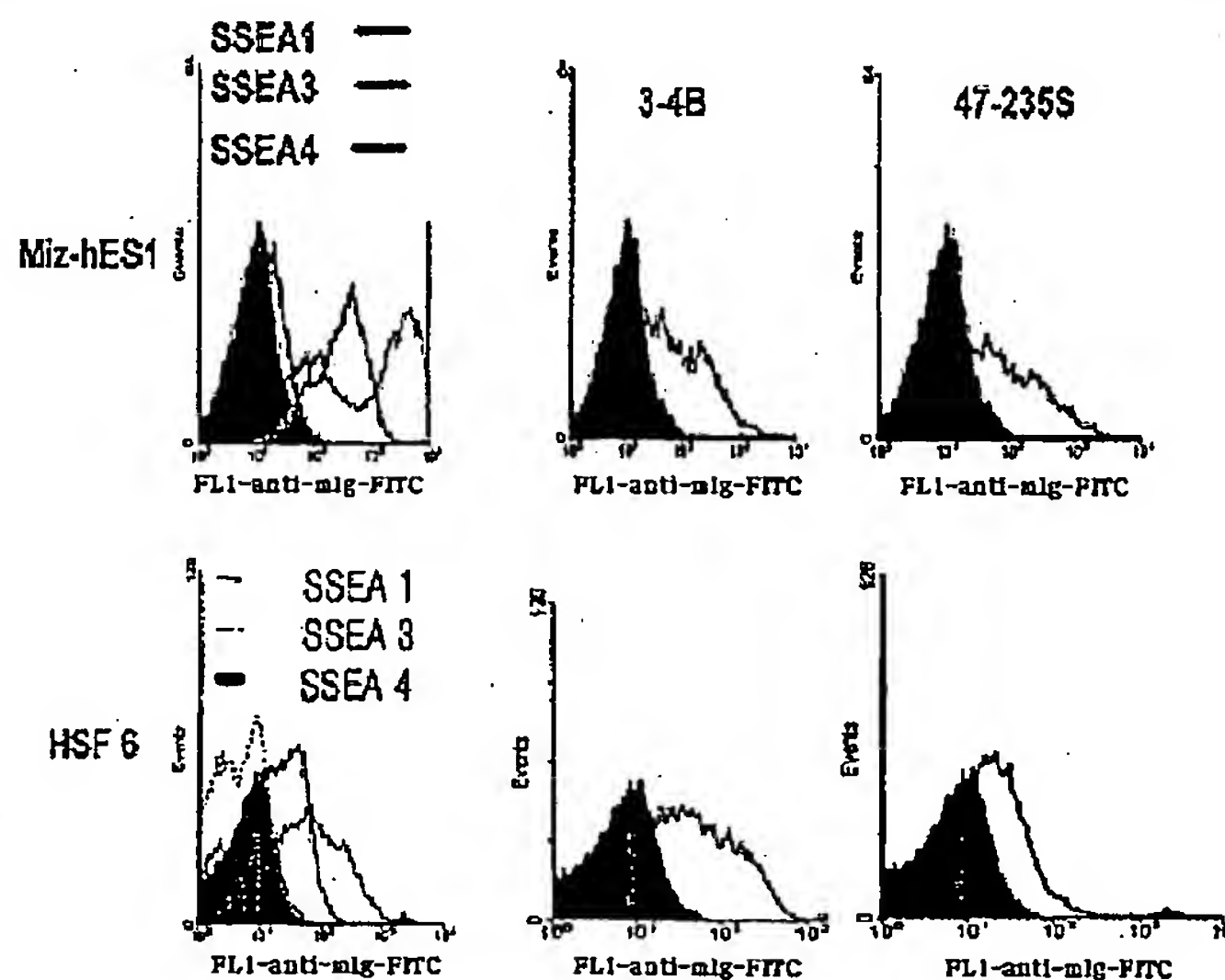
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[Continued on next page]

(54) Title: MONOCLONAL ANTIBODY SPECIFIC TO CELL SURFACE PROTEIN OF HUMAN EMBRYONIC STEM CELL



(57) Abstract: Disclosed are monoclonal antibodies that specifically bind to cell surface proteins of human embryonic stem (ES) cells and hybridomas producing the monoclonal antibodies. In detail, disclosed are monoclonal antibodies that bind cell surface proteins of human ES cells but do not bind to mouse ES cells, hybridomas producing the monoclonal antibodies, assay kits for undifferentiated human ES cells comprising the monoclonal antibodies, and compositions for removing undifferentiated human ES cells comprising the monoclonal antibodies.

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